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1-23-02

externally transferring the image signal and said attribute information to an external signal processing apparatus; and

an external signal processing apparatus connected to said interface part having a signal processing circuit for processing said image signal transferred through said interface part and having a control part for controlling said image pickup apparatus through said interface part,

wherein said control part receives said attribute information controls said color space converting part to reduce an amount of image signals transferred through said interface part. -

-- 10. (Five Times Amended) An image pickup apparatus comprising:

an image sensor for photo-electrically converting a picked-up object image into an electrical signal;

an image signal generating part for forming an image signal from the electrical signal;

a color space converting part for storing an attribute information of said image pickup apparatus and a plurality of predetermined, diverse color spaces selectable therein for converting a color space of the image signal; and

an interface part for externally transferring the image signal and said attribute information to an external signal processing apparatus,

wherein said color space converting part is controlled by an external signal processing apparatus connected to said interface part to reduce an amount of image signals transferred through said interface part after transferring said attribute information through said interface part. --.

— 20. (Five Times Amended) An image pickup unit comprising:

image pickup part for picking up an optical image to form a picked-up image signal;  
interface part for performing communication with an external signal processing apparatus for storing an attribute information of said image pickup unit; and  
color space compression control part having a plurality of predetermined, diverse color space compression data for controlling and reducing an amount of picked-up signals transferred to said external signal processing apparatus according to a control signal supplied from said external signal processing apparatus through said interface part after transferring said attribute information through said interface part. —.

— 24. (Five Times Amended) A picked-up image signal processing apparatus comprising:

interface part for performing communication with an image pickup unit including image pickup unit for picking up an optical image to form a picked-up image signal, an attribute information of said image pickup unit and a plurality of predetermined, diverse color space conversion data therein; and

transmission control part for transmitting to said image pickup unit through said interface part a control signal for controlling and reducing an amount of each color signal picked-up image signals transferred through said interface part after receiving said attribute information through said interface part. —.

— 28. (Three Times Amended) An image pickup system adapted for use with any one of plural, diverse type image display devices, comprising:

an image pickup apparatus including an image sensor for photo-electrically converting a picked-up object image into an electrical signal, an image signal generating part for